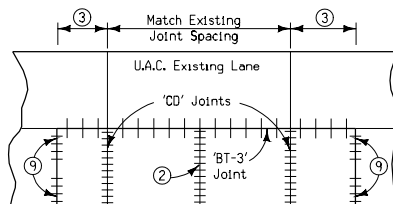
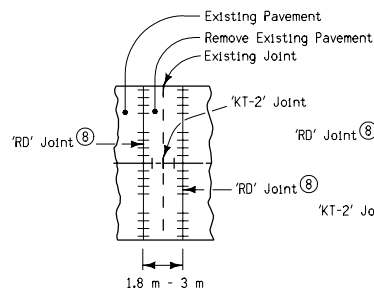


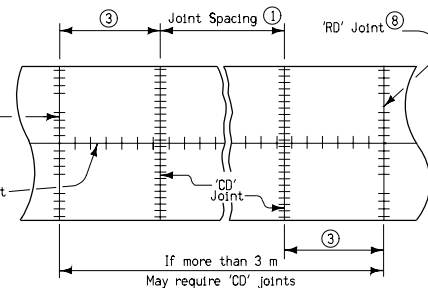
ONE LANE WIDTH PATCH



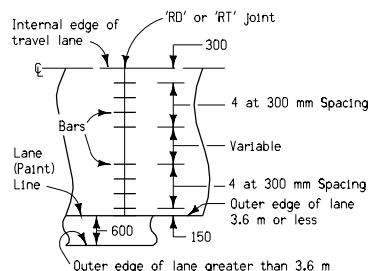
ONE LANE WIDTH PATCH



FULL ROADWAY WIDTH PATCH

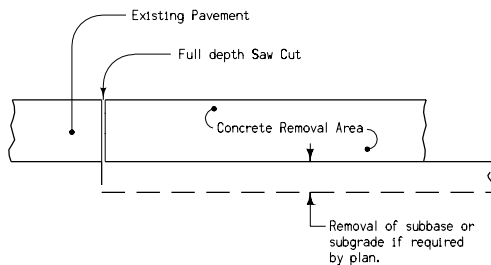


FULL ROADWAY WIDTH PATCH

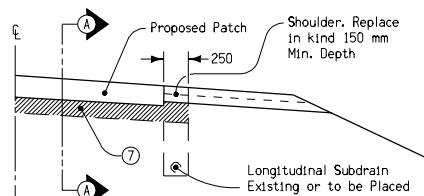


DETAIL FOR 'RT' OR 'RD' JOINT BAR SPACING  
TYPICAL HALF PLAN

For interior lanes, place first bar 300 mm from edge of lane (slab).

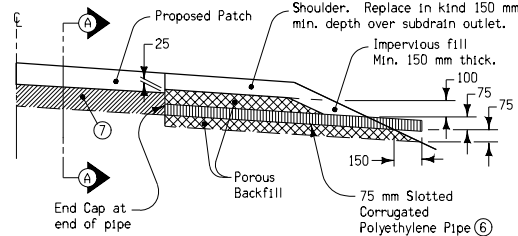


PAVEMENT REMOVAL DETAILS



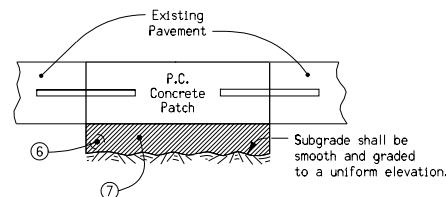
GRANULAR SUBBASE AND SUBDRAIN  
( WHEN REQUIRED BY PLAN )

IF LONGITUDINAL SUBDRAIN IS PRESENT OR IS TO BE PLACED

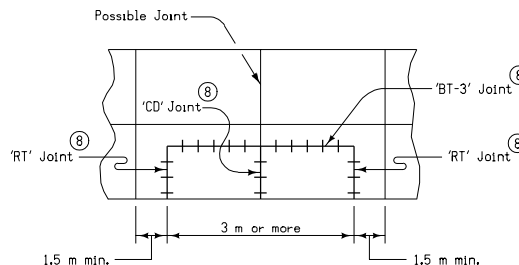


GRANULAR SUBBASE AND SUBDRAIN  
( WHEN REQUIRED BY PLAN )

WITHOUT LONGITUDINAL SUBDRAIN



SECTION A-A



PARTIAL ROADWAY WIDTH PATCH

#### GENERAL NOTES:

Refer to Standard Road Plans RH-50 and RH-51 for details of joint construction.

All patches shall be rectangular even when existing pavement joints are skewed.

- Joint spacing: 3 meters minimum, 6 meters maximum, 4.5 meters optimum.
- Mid panel joint shall be either a 'CT' or a 'CD' joint. If there is no existing joint or crack in the adjacent pavement, place a 'CT' joint. If there is an existing joint or crack in the adjacent pavement, place a 'CD' joint at the same transverse location.
- New 'CD' Joint must be a minimum 1.5 meters from the patch end.
- Requires full depth saw cut. Place 13 millimeter preformed joint material between patch and concrete in adjacent lane.
- If one lane patch exceeds 15 meters, both lanes should be considered for patching.
- If longitudinal subdrain (shoulder) is not to be placed or if not present on side of roadway to be patched, then place 75 millimeter slotted corrugated pipe at low end of patch.
- 150 millimeter granular subbase if required by plan. When placed, granular subbase should extend over longitudinal subdrain, if present.
- The joint shall be sawed and sealed after patching. Refer to RH-50 for joint details.
- If this joint is across from an existing crack or joint, then use 'RD' joint, otherwise use 'RT' joint. The joint shall be sawed and sealed after patching. Refer to RH-50 for joint details.

BAR SIZE TABLE

(T)	< 200 mm	≥ 200 mm but < 250 mm	≥ 250 mm
DOWEL SIZE	20	30	35
TIE BAR SIZE	#20	#30	#35

All dimensions given in millimeters unless noted.

METRIC VERSION	M	Iowa Department of Transportation Highway Division	
		STANDARD ROAD PLAN	RR-4
	REVISION: Add detail for partial roadway width patch		REVISION NO. 1
	APPROVED BY DESIGN METHODS ENGINEER <i>William J. Sten</i>		REVISION DATE 10-29-02
	FULL DEPTH P.C. CONCRETE PATCH WITH DOWELS (EXISTING NON-COMPOSITE PAVEMENT)		